



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Frank O'Bannon
Governor

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Commissioner

100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

July 2, 2003

TO: Interested Parties / Applicant

RE: **Dave O'Mara Contractor, Inc.**

MPR 029-17649-03326

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within (18) eighteen days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) the date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for consideration at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosure

FNPERMOD.wpd 8/21/02



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July 2, 2003

Ms. Amy Boswell
Dave O'Mara Contractor, Inc.
P.O. Box 1139
North Vernon, Indiana 47265

Re: **029-17649**
First Minor Revision to
FESOP 137-9848-03326

Dear Ms. Boswell:

Dave O'Mara Contractor, Inc. was issued a permit on August 12, 1998 for a portable drum-mix hot asphalt source. A letter requesting changes to this permit was received on April 22, 2003. Pursuant to the provisions of 326 IAC 2-8-11.1, a Minor Permit Revision to this permit is hereby approved as described in the attached Technical Support Document.

The revision consists of adding the capability to burn #4 used oil for energy recovery to the existing aggregate drum dryer. The new fuel has been incorporated into the fuel usage limit for #2 fuel oil, equivalent to 93.5 tons of SO₂ per year. In addition, a #4 used oil fuel usage limit equivalent to less than twenty-five (25) tons of NO_x and SO₂ per year each is required with additional reporting for that fuel usage limit.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire revised FESOP, with all revisions and amendments made to it, is being provided.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Michael S. Schaffer, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 ext. 15 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
MSS/MES

cc: File - Dearborn County
U.S. EPA, Region V
Dearborn County Health Department
Air Compliance Section Inspector - Joe Foyst
Compliance Branch - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner



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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

Dave O'Mara Contractor, Inc. (Portable Source)

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 and 326 IAC 2-1-3.2, as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 137-9848-03326	
Original signed by Paul Dubenetzky Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 12, 1998 Expiration Date: August 12, 2003

First Minor Permit Revision 029-17649-03326	Changed Pages: Entire Permit
Issued by: Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: July 2, 2003

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a portable drum-mix hot asphalt manufacturing operation.

Responsible Official: Plant Manager
Source Address: (Portable Source)
Mailing Address: P.O. Box 1139, North Vernon, Indiana, 47265
SIC Code: 2951
County Location: (Portable Source)
County Status: Excluded from locating in severe nonattainment counties.
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD and Emission Offset Rules

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This portable source consists of the following emission units and pollution control devices:

- (a) one (1) portable asphalt drum-mix plant, with a maximum capacity of 247 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 82.7 million (MM) Btu per hour, using No. 2 fuel oil as back-up fuel and No. 4 used oil for energy recovery as an alternative fuel, and one (1) pulse jet baghouse for particulate control, exhausting at one (1) stack, identified as #2;
- (b) one (1) 4' x 10' screen;
- (c) two (2) conveyors to transfer aggregate from feed bins to asphalt dryer;
- (d) two (2) conveyors to transfer aggregate from recycle bin to asphalt dryer; and
- (e) one (1) direct fired heater with a maximum heat input capacity of 2.5 million British thermal units per hour firing No. 2 fuel oil.
- (f) one (1) 25,000 gallon asphalt storage tank.
- (g) one (1) 15,000 gallon fuel oil storage tank.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This portable source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) unpaved roads with public access;
- (b) four (4) virgin aggregate feeder bins;
- (c) one (1) recycle bin; and
- (d) three (3) 15,000 gallon asphalt cement storage bins.

A.4 FESOP Applicability [326 IAC 2-8-2]

This portable source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permit Conditions

- (a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.
- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued.

SECTION B

GENERAL CONDITIONS

B.1 Permit No Defense [326 IAC 2-1-10] [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2, and 326 IAC 2-7 shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)]

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

B.4 Enforceability [326 IAC 2-8-6]

- (a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.
- (b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)]

- (a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (c) Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAQ, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAQ, or the U.S. EPA,

to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:

- (1) Enforcement action;
- (2) Permit termination, revocation and reissuance, or modification; and
- (3) Denial of a permit renewal application.

(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

(a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, on the attached Certification Form, with each submittal.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

- (1) The identification of each term or condition of this permit that is the basis of the certification;
- (2) The compliance status;
- (3) Whether compliance was based on continuous or intermittent data;
- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
- (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAQ, upon request and shall be subject to review and approval by IDEM, OAQ.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

Failure to notify IDEM, OAQ, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted notice either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.
- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
 - (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
 - (2) An emergency as defined in 326 IAC 2-7-1(12); or
 - (3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.
 - (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

- (c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination

[326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)]
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
 - (1) A timely renewal application is one that is:

- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due. [326 IAC 2-5-3]
- (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-8-10] [326 IAC 2-8-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34) only if a certification is required by the terms of the applicable rule.
- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-8-11(b)(2)]

Notwithstanding 326 IAC 2-8-11(b)(1)(D)(i) and 326 IAC 2-8-11(c)(1), minor permit modification procedures may be used for modifications of this permit involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches to the extent that such minor permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated by U.S. EPA.

B.20 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-8-15(b)]

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional condition:

For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit

term or condition that is no longer applicable as a result of the change.

B.21 Operational Flexibility [326 IAC 2-8-15]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b), (c)(1), and (d).

(b) For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.22 Construction Permit Requirement [326 IAC 2]

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2.

B.23 Inspection and Entry [326 IAC 2-8-5(a)(2)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-8-5(a)(4)]
 - (1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAQ, or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAQ, nor an authorized representative, may disclose the information unless and until IDEM, OAQ, makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]
 - (2) The Permittee, and IDEM, OAQ, acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

B.24 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-8-10]

Pursuant to 326 IAC 2-1-6 and 2-8-10:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current Permittee and the new owner.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-8-10. The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) IDEM, OAQ shall reserve the right to issue a new permit.

B.25 Annual Fee Payment [326 IAC 2-8-4(6)] [326 IAC 2-8-16]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAQ, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant from the entire source shall be limited to less than one-hundred (100) tons per three hundred sixty-five (365) consecutive day period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-3 (Emission Offset) not applicable;
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per three hundred sixty-five (365) consecutive day period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per three hundred sixty-five (365) consecutive day period.

(b) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(c) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of thirty percent (30%) opacity in twenty-four (24) consecutive readings as determined by 326 IAC 5-1-4,
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3(a)(2)(A) and (B) are not federally enforceable.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on July 5, 1995. The plan consists of:

- (a) Applying water to conveying, screening and transferring operations on an as needed basis;
- (b) Fugitive emissions from aggregate storage piles will be watered on an as needed basis; and
- (c) The plant roadways will be watered on an as needed basis.

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

All air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are mandatory for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.10 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing methods approved by the IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAQ within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAQ, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend compliance schedule an additional ninety (90) days provided the Permittee notify:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.12 Maintenance of Monitoring Equipment [326 IAC 2-8-4(3)(A)(iii)]

- (a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.13 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the applicable requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

C.14 Pressure Gauge Specifications

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present in a process in more than the threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall:

- (a) Submit:
 - (1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or
 - (2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and
 - (3) A verification to IDEM, OAQ, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.

- (b) Provide annual certification to IDEM, OAQ, that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.16 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-8-4][326 IAC 2-8-5]
[326 IAC 1-6]

- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:
 - (1) This condition;
 - (2) The Compliance Determination Requirements in Section D of this permit;
 - (3) The Compliance Monitoring Requirements in Section D of this permit;
 - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
 - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAQ upon request and shall be subject to review and approval by IDEM, OAQ. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:
 - (A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and
 - (B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.
- (b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.
- (c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:
 - (1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;

- (3) An automatic measurement was taken when the process was not operating; or
- (4) The process has already returned to operating within "normal" parameters and no response steps are required.
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAQ shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAQ within thirty (30) days of receipt of the notice of deficiency. IDEM, OAQ reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.18 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]

- (a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that meets the requirements of 326 IAC 2-6 (Emission Reporting). This annual statement must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8) (Emission Statement Operating Year). The annual statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

C.19 Monitoring Data Availability

- (a) With the exception of performance tests conducted in accordance with Section C- Performance Testing all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements in (a) above.

C.20 General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]

- (a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAQ, representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
 - (1) Copies of all reports required by this permit;
 - (2) All original strip chart recordings for continuous monitoring instrumentation;

- (3) All calibration and maintenance records;
- (4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.
- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.21 General Reporting Requirements [326 IAC 2-8-4(3)(C)]

- (a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported.
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period.
- (e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports.
- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Portable Source Requirement

C.22 Relocation of Portable Sources [326 IAC 2-1-6(b)]

- (a) This permit is approved for operation in all areas of Indiana except in severe nonattainment areas for ozone (at the time of this permit's issuance these areas were Lake and Porter

Counties). This determination is based on the requirements Prevention of Significant Deterioration in 326 IAC 2-2, and Emission Offset requirements in 326 IAC 2-3. A thirty (30) day advance notice of relocation must be given to IDEM, OAQ and a "Relocation Site Approval" letter must be obtained before relocating.

- (b) The Permittee shall also notify the applicable local air pollution control agency when relocating to or from one of the following:
 - (1) Madison County - (Anderson Office of Air Quality)
 - (2) City of Evansville plus four (4) miles beyond the corporate limits but not outside Vanderburgh County - (Evansville EPA)
 - (3) City of Gary - (Gary Division of Air Pollution)
 - (4) City of Hammond - (Hammond Department of Environmental Management)
 - (5) Marion County - (Indianapolis Air Pollution Control Agency)
 - (6) St. Joseph County - (St. Joseph County Health Department)
 - (7) Vigo County - (Vigo County Air Pollution Department)
- (c) That a valid operation permit consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.

Stratospheric Ozone Protection

C.23 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

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SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) one (1) portable asphalt drum-mix plant, with a maximum capacity of 247 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 82.7 million (MM) Btu per hour, using No. 2 fuel oil as back-up fuel and No. 4 used oil for energy recovery as an alternative fuel, and one (1) pulse jet baghouse for particulate control, exhausting at one (1) stack, identified as #2;
- (b) one (1) 4' x 10' screen;
- (c) two (2) conveyors to transfer aggregate from feed bins to asphalt dryer;
- (d) two (2) conveyors to transfer aggregate from recycle bin to asphalt dryer; and
- (e) one (1) direct fired heater with a maximum heat input capacity of 2.5 million British thermal units per hour firing No. 2 fuel oil.

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Sulfur Dioxide (SO₂) [326 IAC 2-8-4]

- (a) Pursuant to 326 IAC 2-8-4, the input of #2 distillate fuel oil to the aggregate dryer burner shall be limited to 2,633,810 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) For purposes of determining compliance based on SO₂ emissions, each 1,000 gallons of #4 used oil shall be equivalent to 853.5 gallons of #2 distillate fuel oil.
- (c) During the first twelve (12) months of operation, #2 distillate fuel oil input shall be limited such that the total usage divided by the accumulated months of operation shall not exceed the limit specified.
- (d) These fuel usage and content limitations were taken voluntarily by the company and are equivalent to sulfur dioxide emissions of 93.5 tons per twelve (12) consecutive month period with compliance determined at the end of each month. Due to these voluntary limits, 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), 326 IAC 2-3 (Emission Offset), and the Part 70 Permit Program (326 IAC 2-7) rules do not apply.

D.1.2 Sulfur Dioxide (SO₂) and Nitrogen Oxides (NO_x) [326 IAC 2-8-11.1]

The input of #4 used oil to the aggregate dryer burner shall be limited to less than 825,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month equivalent to less than twenty-five (25) tons of SO₂ and NO_x per year each.

D.1.3 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-2]

- (a) Pursuant to 326 IAC 7-1.1-2 (SO₂ Emissions Limitations), the SO₂ emissions from the aggregate dryer burner and direct fired heater shall not exceed five tenths (0.5) pounds per MMBtu heat input, each when combusting #2 fuel oil.
- (b) Pursuant to 326 IAC 7-1.1-2 (SO₂ Emissions Limitations), the SO₂ from the aggregate dryer burner shall not exceed one and six tenths (1.6) pounds per MMBtu heat input when combusting #4 used oil.

D.1.4 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2 (Nonattainment Area Particulate Limitations) particulate matter emissions from the asphalt plant shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf). This emission limitation is equivalent to 5.12 pounds per hour based on an exhaust rate of 31134 acfm and an exhaust temperature of 325 degrees Fahrenheit.

D.1.5 Particulate Matter (PM) [326 IAC 12]

Pursuant to the New Source Performance Standards, 326 IAC 12 (40 CFR 60.90 to 60.93, Subpart I):

- (a) particulate matter emissions from the asphalt plant shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf), and
- (b) the visible emissions from the plant shall not exceed 20 percent opacity.

Compliance with 326 IAC 6-1-2 as specified in D.1.4, will satisfy the requirements of this rule set forth in part (a) of this condition.

D.1.6 Particulate Matter 10 Microns (PM10) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, emissions of particulate matter 10 microns or less in diameter (PM10) from the aggregate dryer/mixer shall not exceed 15.30 pounds per hour, including both filterable and condensable fractions. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-5-2]

Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), no person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except:

- (a) penetrating prime coating
- (b) stockpile storage
- (c) application during the months of November, December, January, February, and March.

D.1.8 Volatile Organic Compounds (VOC)

The input VOC usage in the production of cold mix cutback asphalt shall be limited to 103.2 tons per twelve (12) consecutive month period. This is equivalent to VOC emissions of 98.0 tons per twelve (12) consecutive month period based on 95% volatilization. During the first twelve (12) months of operation, the input VOC usage shall be limited such that the total usage divided by the accumulated months of operation shall not exceed the limit specified. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

D.1.9 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

D.1.10 Testing Requirements [326 IAC 2-8-5(1)]

During the period within 6 months and 12 months after issuance of this permit, the Permittee shall perform PM and PM₁₀ testing utilizing Methods 5 or 17 (40 CFR 60, Appendix A) for PM and Methods 201 or 201A and 202 (40 CFR 51, Appendix M) for PM₁₀, or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM₁₀ includes filterable and condensable PM-10. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in

compliance.

D.1.11 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a certification;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the aggregate dryer burner or direct fire heater, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.12 Particulate Matter (PM)

The baghouse for PM control shall be in operation at all times when the aggregate drum dryer and/or aggregate dryer burner are in operation.

D.1.13 Visible Emission Notations

- (a) Daily visible emission notations of the conveyers, material transfer points, aggregate storage piles, unpaved roads, and the aggregate drum dryer/burner stack exhaust shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.1.14 Parametric Monitoring

- (a) The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate drum dryer and aggregate dryer burner, at least once per working shift when the dryer and/or dryer burner is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading. The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.
- (b) The inlet temperature to the baghouse shall be maintained within a range of 200-400 degrees Fahrenheit (°F) to prevent overheating of the bags and to prevent low temperatures from mudding up the bags. The thermocouple at the inlet has a temperature switch which automatically shuts the burner off if the high end range is exceeded. In the event that bag failure has occurred due to rupture, melting, etc., corrective action shall be taken. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the inlet temperature reading is outside of the above mentioned range for any one reading. The baghouse shall shutdown for visual inspection within 24 hours and bags shall be replaced as needed.

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.15 Record Keeping Requirements

- (a) Operational Parameters - The Permittee shall maintain monthly records at the source of the following values:
 - (1) Amount of each fuel used;
 - (2) The records for fuel oil shall contain a minimum of the following:
 - (i) Average sulfur content of any fuel oil used;
 - (ii) Average higher heating value of any fuel oil used;
 - (iii) Average sulfur dioxide emission rate (expressed in pounds per million BTU).
 - (iv) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and
 - (v) Fuel supplier certifications.
 - (3) The fuel supplier certification shall contain, as a minimum, the following:
 - (i) The name of the fuel supplier; and
 - (ii) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
 - (4) The amount and VOC contents of each diluent used in the production of cold mix cutback asphalt. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

- (i) A log of the dates of diluent use;
- (ii) The total input VOC usage for each month; and
- (iii) The weight of VOCs emitted for each compliance period.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

D.1.16 Reporting Requirements

- (a) A quarterly summary to document compliance with operation conditions D.1.1, D.1.2, and D.1.3, and shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the amount of fuel used, the fuel oil's average sulfur content and the twelve (12) consecutive month totals of fuel usage in the quarter. All records and reports shall use calendar month averages. Records of sulfur content and higher heating value shall be determined by information as obtained by the vendor.
- (b) A quarterly summary to document compliance with operation condition D.1.8 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the amount of VOC used in the production of coldmix asphalt. All records and reports shall use calendar month averages.

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(f) one (1) 25,000 gallon asphalt storage tank.

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)]

D.2.1 Volatile Liquid Storage Tanks [326 IAC 12]

Pursuant to New Source Performance Standard (NSPS), 326 IAC 12 (40 CFR Part 60.116b only, Subpart Kb), the permittee shall maintain accessible records for the one (1) 25,000 gallon liquid asphalt storage tank. These records shall include the dimension of the storage vessel and an analysis showing the capacity of each storage vessel and shall be kept for the life of the storage tank.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Dave O'Mara Contractor, Inc.
Source Address: (Portable Source)
Mailing Address: P.O. Box 1139, North Vernon, Indiana, 47265
FESOP No.: F137-9848-03326

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Dave O'Mara Contractor, Inc.
Source Address: (Portable Source)
Mailing Address: P.O. Box 1139, North Vernon, Indiana, 47265
FESOP No.: F137-9848-03326

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2

- 9** 1. This is an emergency as defined in 326 IAC 2-7-1(12)
CThe Permittee must notify the Office of Air Quality (OAQ), within four **(4)** business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
CThe Permittee must submit notice in writing or by facsimile within two **(2)** days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
- 9** 2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c)
CThe Permittee must submit notice in writing within ten **(10)** calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency/Deviation:

Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY COMPLIANCE MONITORING REPORT**

Source Name: Dave O'Mara Contractor, Inc.
Source Address: (Portable Source)
Mailing Address: P.O. Box 1139, North Vernon, Indiana, 47265
FESOP No.: F137-9848-03326

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (eg. Permit Condition D.1.4)	Number of Deviations	Date of each Deviation

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

Quarterly Report

Source Name: Dave O'Mara Contractor, Inc.
Source Address: (Portable Source)
Mailing Address: P.O. Box 1139, North Vernon, Indiana, 47265
FESOP No.: F137-9848-03326
Facility: cold mix cutback asphalt production
Parameter: volatile organic compound (VOC) usage
Limit: VOC usage not to exceed 103.2 tons per twelve (12) consecutive month period based on 95% volatilization.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Usage This Month (tons VOC/mo.)	Usage Previous 11 Months (tons VOC)	12 Month Total (tons VOC/12 months)

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Dave O'Mara Contractor, Inc.
Source Address: Portable Source
Mailing Address: P.O. Box 1139, North Vernon, Indiana 47265
Part 70 Permit No.: F 137-9848-03326
Facility: Aggregate Dryer Burner
Parameter: #2 Distillate Fuel Oil Usage
Limit: 2,633,810 gallons per twelve (12) consecutive month period with compliance determined at the end of each month, where 1,000 gallons of #4 used oil shall be equivalent to 853.5 gallons of #2 distillate fuel oil, equivalent to 93.5 tons of SO₂ per year.

YEAR: _____

Month	# 2 Distillate Fuel Oil Usage or Equivalent Burned (gallons)	# 2 Distillate Fuel Oil Usage or Equivalent Burned (gallons)	# 2 Distillate Fuel Oil Usage or Equivalent Burned (gallons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Dave O'Mara Contractor, Inc.
Source Address: Portable Source
Mailing Address: P.O. Box 1139, North Vernon, Indiana 47265
Part 70 Permit No.: F 137-9848-03326
Facility: Aggregate Dryer Burner
Parameter: #4 Used Oil Usage
Limit: Less than 825,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month equivalent to less than twenty-five (25) tons of SO₂ and NO_x per year each.

YEAR: _____

Month	#4 Used Oil Usage (gallons)	#4 Used Oil Usage (gallons)	#4 Used Oil Usage (gallons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Minor Permit Revision to a Federally Enforceable State Operating Permit

Source Background and Description

Source Name:	Dave O'Mara Contractor, Inc.
Source Location:	Portable (Currently Located at 10585 Morgan's Branch Road, Aurora, Indiana 47001)
County:	Dearborn
SIC Code:	2951
Operation Permit No.:	F 137-9848-03326
Operation Permit Issuance Date:	August 12, 1998
Minor Permit Revision No.:	MPR 029-17649-03326
Permit Reviewer:	Michael S. Schaffer

The Office of Air Quality (OAQ) has reviewed a minor permit revision application from Dave O'Mara Contractor, Inc. relating to the addition of a No. 4 used oil burner to the existing aggregate dryer. The following changes to the aggregate dryer in the equipment list has been proposed (deleted language appears as ~~strikeouts~~, new language appears in **bold**):

- (a) one (1) portable asphalt drum-mix plant, with a maximum capacity of 247 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 82.7 million (MM) Btu per hour, using No. 2 fuel oil as back-up fuel **and No. 4 used oil for energy recovery as an alternative fuel**, and one (1) pulse jet baghouse for particulate control, exhausting at one (1) stack, identified as #2;

History

On April 22, 2003, Dave O'Mara Contractor, Inc. submitted an application to the OAQ requesting to add the use of No. 4 used oil as an alternative fuel to the existing natural gas fired aggregate dryer. Pursuant to 40 CFR 279, Subpart G, Dave O'Mara Contractor, Inc. is permitted to add the use of No. 4 used oil for energy recovery as an alternative fuel to the aggregate dryer because pursuant to 40 CFR 260.10, the aggregate dryer is considered an industrial furnace as an aggregate kiln. Dave O'Mara Contractor, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) on August 12 1998. Dave O'Mara Contractor, Inc. has requested to incorporate the proposed addition of No. 4 used oil as alternative fuel into the existing fuel usage limit that is currently in Condition D.1.1 of F 137-9848-03326, issued on August 12, 1998.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the FESOP Minor Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on April 22, 2003. Additional information was received on May 14, 2003.

Emission Calculations

See Pages 1 through 5 of 5 of Appendix A of this document for detailed emissions calculations.

Potential To Emit of Revision

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA."

This table reflects the PTE before controls for this revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	7.35
PM ₁₀	7.35
SO ₂	159.1
VOC	2.63
CO	4.46
NO _x	28.9

HAPs	Potential To Emit (tons/year)
Arsenic	0.00001
Cadmium	0.000004
Chromium	0.00002
Lead	0.0002
Total	0.0003

Justification for Revision

The FESOP is being revised through a FESOP Minor Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(d)(4)(B) and (C), since the potential to emit SO₂ and NO_x from this revision will be limited to less than twenty-five (25) tons per year each.

Portable Source

- (a) **Current Location**
This is a portable source and its current location is 10585 Morgan's Branch Road, Aurora, Indiana 47001.
- (b) **PSD and Emission Offset Requirements**
The emissions from this portable source were reviewed under the requirements of the Prevention of Significant Deterioration (PSD), 326 IAC 2-2, and Emission Offset, 326 IAC 2-3.
- (c) **This portable source is prohibited from locating in severe non-attainment counties (specifically Lake County and Porter County).**

Source Status

Existing Source PSD of Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	115.3
PM ₁₀	99.0
SO ₂	99.0
VOC	99.0
CO	13.1
NO _x	52.3

- (a) **This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, it is prohibited from locating in severe non-attainment counties (specifically Lake and Porter Counties), and it is not one of the 28 listed source categories.**
- (b) **These emissions are based upon page 4 of the TSD from F 137-9848-03326, issued on August 12, 1998.**

Potential to Emit of Revision After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the aggregate drum dryer.

	Potential to Emit (tons/year)						
Process/facility	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
Aggregate Drum Dryer When Combusting Any fuel*	22.4	67.0	93.5	1.0	12.7	50.7	Single Less than 10 Total 6.30
Aggregate Drum Dryer When Combusting No. 4 Used Oil	1.16	1.16	Less than 25	0.413	0.700	Less Than 25	Single 0.0002 Total 0.0003

* As stated on page 4 of the TSD from F 137-9848-03326, issued on August 12, 1998.

- (a) This revision to the existing FESOP will **not** change the status of the stationary source because the emissions from the entire source will still be limited to less than the Part 70 major source thresholds.
- (b) In order to classify this revision as a minor permit revision pursuant to 326 IAC 2-8-11.1(d)(5), the fuel usage from No. 4 used oil will be limited to less than 825,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month equivalent to less than twenty-five (25) tons of SO₂ and NO_x per year each.

Federal Rule Applicability

- (a) There are no **additional** New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source as a result of this proposed revision.
- (b) There are no **additional** National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14, 326 IAC 20, 40 CFR 61 and 40 CFR Part 63) applicable to this source as a result of this proposed revision.
- (c) This source will burn No. 4 used oil in accordance with the requirements of 40 CFR 279, Subpart G (Standards for Used Oil Burners Who Burn Used Oil for Energy Recovery) as a result of the proposed revision. Manufacturer's specifications show that the No. 4 used oil that is proposed to be used as alternative fuel in the aggregate dryer are within the allowable levels of the constituents and properties specified in Table 1 of 40 CFR 279.11. Compliance with the allowable levels of constituents and properties stated in 329 IAC 13-3-2 (Used Oil Specifications) will verify that the source is burning No.4 used oil within the allowable levels specified in 40 CFR 279.11. See the state rule applicability - individual facilities section of this document for a detailed analysis.

State Rule Applicability - Individual Facilities

All requirements applicable to this source shall remain applicable in this revision. Additional State rule applicability determination is as follows:

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This drum mix hot asphalt manufacturing source is not 1 of the 28 major PSD source categories pursuant to 326 IAC 2-2 and this portable source is prohibited from locating in severe non-attainment counties (specifically Lake and Porter Counties). In addition, the potential-to-emit each of the criteria pollutants from the entire source shall remain unchanged as a result of the proposed

revision. Thus, the potential to emit of the entire source including the proposed revision, is less than 250 tons per year. Therefore, this source is considered a minor PSD source.

326 IAC 2-8-4 (FESOP)

The existing fuel usage limit in Condition D.1.1(a) of F 137-9848-03326, issued on August 12, 1998 should be equivalent to 93.5 tons of SO₂ per year to render the requirements of 326 IAC 2-7 not applicable. The limit contained in the original FESOP was incorrect. The No. 2 fuel oil limit has been recalculated on Page 1 of 4 in Appendix A of this document. This recalculated limit is less than the original permit. In addition, the use of No. 4 used oil will be incorporated into the No. 2 fuel oil usage limit. The limit has been revised to the following:

- (a) Pursuant to 326 IAC 2-8-4, the input of #2 distillate fuel oil to the aggregate dryer burner will be limited to 2,633,810 gallons per twelve (12) consecutive month period with compliance determined at the end of each month equivalent to 93.5 tons of SO₂ per year.
- (b) For purposes of determining compliance based on SO₂ emissions, each 1,000 gallons of #4 used oil shall be equivalent to 853.5 gallons of #2 distillate fuel oil.

The equivalency has been calculated as follows:

$$(147.8\text{S}) \text{ lbs of SO}_2/\text{kgal of \#4 used oil} / (142.0\text{S}) \text{ lbs of SO}_2/\text{kgal of \# 2 fuel oil} =$$

$$(147.8 \times 0.41) \text{ lbs of SO}_2/\text{kgal of \#4 used oil} / (142.0 \times 0.50) \text{ lbs of SO}_2/\text{kgal of \#2 fuel oil} =$$

$$60.6 \text{ lbs of SO}_2/\text{kgal of \#4 used oil} / 71 \text{ lbs of SO}_2/\text{kgal of \#2 fuel oil} =$$

$$0.8535 \text{ kgal of \#2 fuel oil} / 1 \text{ kgal of \# 4 used oil} =$$

$$853.5 \text{ gallons of \#2 fuel oil} / 1000 \text{ gallons of \#4 used oil.}$$

326 IAC 2-8-11.1(d) (Minor Permit Revision)

Pursuant to 326 IAC 2-8-11.1(d)(5), the input of #4 used oil to the aggregate dryer burner will be limited to less than 825,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month equivalent to less than twenty-five (25) tons of SO₂ and NO_x per year.

326 IAC 7 (Sulfur Dioxide Rules)

Since the potential to emit SO₂ from the dryer burner is greater than twenty-five (25) tons per year, this source is subject to the following additional requirement pursuant to 326 IAC 7-1.1:

When operating on No. 4 used oil, the SO₂ emissions will be limited to one and six tenths (1.6) pounds per million British thermal units. The unrestricted SO₂ emission rate from this revision is 0.439 pounds per million British thermal units. This emission rate was calculated as follows:

$$\text{Emission Rate (lbs/mmBtu)} = \text{Potential Throughput (kgal/year)} \times (1 \text{ year} / 8,760 \text{ hours}) \times \text{Emission Factor (lbs/kgal)} / \text{Heat Input Capacity (mmBtu/hour)}$$

$$\text{Emission Rate (lbs/mmBtu)} = 5249.652 \text{ (kgal/year)} \times (1 \text{ year} / 8,760 \text{ hours}) \times 60.6 \text{ (lbs/kgal)} / 82.7 \text{ (mmBtu/hour)}$$

Emission Rate = 0.439 lbs per mmBtu

Therefore proposed use No. 4 used oil in the aggregate dryer is in compliance with this limitation.

See Page 3 of 4 in Appendix A of this document for detailed emissions calculations for combusting No. 4 used oil.

329 IAC 13 (Used Oil Management)

The No. 4 used oil burned in the aggregate dryer is not subject to regulation under the requirements specified in 329 IAC 13 (Used Oil Management), because pursuant to 329 IAC 13-3-2 (Used Oil Specifications), the No. 4 used oil that will be burned at this source for energy recovery does not exceed the following allowable levels for specific constituents or properties:

Constituent or Property	Allowable Level
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Flash Point	100 EF minimum
Total Halogens	4,000 ppm maximum

Testing Requirements

Since No. 4 used oil is not the "worst case" fuel used at the aggregate dryer, there will be no additional testing required as a result of the proposed revision.

Proposed Changes

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in bold):

Changes not mentioned for every Condition: Office of Environmental Management (OAM) is now **Office of Air Quality (OAQ)**, the citing 40 CFR 52.21 has been removed from the permit, and the sources mailing address is now P.O. Box 1139, North Vernon, Indiana, 47265.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a portable drum-mix hot asphalt manufacturing operation.

Responsible Official: ~~Amy Boswell~~ **Plant Manager**
Source Address: (Portable Source)
Mailing Address: P.O. Box ~~423~~ **1139**, North Vernon, Indiana, 47265
SIC Code: 2951
County Location: (Portable Source)
County Status: Excluded from locating in severe nonattainment counties.
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD and Emission Offset Rules

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This portable source consists of the following emission units and pollution control devices:

- (a) one (1) portable asphalt drum-mix plant, with a maximum capacity of 247 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 82.7 million (MM) Btu per hour, using No. 2 fuel oil as back-up fuel **and No. 4 used oil for energy recovery as an alternative fuel**, and one (1) pulse jet baghouse for particulate control, exhausting at one (1) stack, identified as #2;

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) one (1) portable asphalt drum-mix plant, with a maximum capacity of 247 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 82.7 million (MM) Btu per hour, using No. 2 fuel oil as back-up fuel **and No. 4 used oil for energy recovery as an alternative fuel**, and one (1) pulse jet baghouse for particulate control, exhausting at one (1) stack, identified as #2;

D.1.1 Sulfur Dioxide (SO₂) [326 IAC 2-8-4]

- (a) Pursuant to 326 IAC 2-8-4, the input of #2 distillate fuel oil to the aggregate dryer burner shall be limited to ~~3,668,140~~ **2,633,810** gallons per twelve (12) consecutive month period **with compliance determined at the end of each month.**
- (b) **For purposes of determining compliance based on SO₂ emissions, each 1,000 gallons of #4 used oil shall be equivalent to 853.5 gallons of #2 distillate fuel oil.**
- ~~(b)~~ (c) During the first twelve (12) months of operation, #2 distillate fuel oil input shall be limited such that the total usage divided by the accumulated months of operation shall not exceed the limit specified.
- ~~(c)~~ (d) These fuel usage and content limitations were taken voluntarily by the company and are equivalent to sulfur dioxide emissions of 93.5 tons per twelve (12) consecutive month period **with compliance determined at the end of each month.** Due to these voluntary limits, 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), 326 IAC 2-3 (Emission Offset), and the Part 70 Permit Program (326 IAC 2-7) rules do not apply.

D.1.2 Sulfur Dioxide (SO₂) and Nitrogen Oxides (NO_x) [326 IAC 2-8-11.1]

The input of #4 used oil to the aggregate dryer burner shall be limited to less than 825,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month equivalent to less than twenty-five (25) tons of SO₂ and NO_x per year each.

D.1.23 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-2]

- (a) Pursuant to 326 IAC 7-1.1-2 (SO₂ Emissions Limitations), the SO₂ emissions from the aggregate dryer burner and direct fired heater shall not exceed five tenths (0.5) pounds per MMBtu heat input, each **when combusting #2 fuel oil.**
- (b) **Pursuant to 326 IAC 7-1.1-2 (SO₂ Emissions Limitations) the SO₂ from the aggregate dryer burner shall not exceed one and six tenths (1.6) pounds per MMBtu heat input when combusting #4 used oil.**

D.1.15 16 Reporting Requirements

- (a) A quarterly summary to document compliance with operation conditions D.1.1, ~~and D.1.2,~~ **and D.1.3**, shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the amount of fuel used, the fuel oil's average sulfur content and the twelve (12) consecutive month totals of fuel usage in the quarter. All records and reports shall use calendar month averages. Records of sulfur content and higher heating value shall be determined by information as obtained by the vendor.

- (b) A quarterly summary to document compliance with operation condition D.1.7 ~~8~~ shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported. These reports shall include the amount of VOC used in the production of coldmix asphalt. All records and reports shall use calendar month averages.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR ~~MANAGEMENT~~ **QUALITY**
COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY COMPLIANCE MONITORING REPORT

Source Name: Dave O'Mara Contractor, Inc.
Source Address: (Portable Source)
Mailing Address: P.O. Box ~~423~~ **1139**, North Vernon, Indiana, 47265
FESOP No.: F137-9848-03326

Months: _____ to _____ Year: _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (eg. Permit Condition D.1.3 4)	Number of Deviations	Date of each Deviation

Form Completed By: _____
Title/Position: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

Dave O'Mara Contractor, Inc.
Portable
Permit Reviewer: MSS/MES

Page 10 of 13
Minor Permit Revision No.: MPR 029-17649-03326

Indiana Department of Environmental Management — Office of Air Management — Compliance Data Section

Quarterly Report of Twelve (12) Consecutive Month Total

Source Name: Dave O'Mara Contractor, Inc.
Source Address: (Portable Source)
Mailing Address: P.O. Box 423, North Vernon, Indiana, 47265
FESOP No.: F137-9848-03326
Source/Facility: aggregate dryer burner
Pollutant: sulfur dioxides (SO₂)

Year: _____

month	#2-distillate-fuel-oil-usage-this month (gallons/month)	total #2-distillate-fuel-oil-last-12 months (gallons/12-months)	#2-distillate-fuel-oil -usage LIMIT (gallons/12-months)
			3,668,140
			3,668,140
			3,668,140

☒ No deviation occurred in this month.

Submitted by: _____

☐ Deviation/s occurred in this month:

Title/Position: _____

Deviation has been reported on: _____

Signature: _____

Date: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Dave O'Mara Contractor, Inc.
Source Address: Portable Source
Mailing Address: P.O. Box 1139, North Vernon, Indiana 47265
Part 70 Permit No.: F 137-9848-03326
Facility: Aggregate Dryer Burner
Parameter: #2 Distillate Fuel Oil Usage
Limit: 2,633,810 gallons per twelve (12) consecutive month period with compliance determined at the end of each month, where 1,000 gallons of #4 used oil shall be equivalent to 853.5 gallons of #2 distillate fuel oil, equivalent to 93.5 tons of SO₂ per year.

YEAR: _____

Month	#2 Distillate Fuel Oil Usage or Equivalent Burned (gallons)	#2 Distillate Fuel Oil Usage or Equivalent Burned (gallons)	#2 Distillate Fuel Oil Usage or Equivalent Burned (gallons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Dave O'Mara Contractor, Inc.
Source Address: Portable Source
Mailing Address: P.O. Box 1139, North Vernon, Indiana 47265
Part 70 Permit No.: F 137-9848-03326
Facility: Aggregate Dryer Burner
Parameter: #4 Used Oil Usage
Limit: Less than 825,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month equivalent to less than twenty-five (25) tons of SO₂ and NO_x per year each.

YEAR: _____

Month	#4 Used Oil Usage (gallons)	#4 Used Oil Usage (gallons)	#4 Used Oil Usage (gallons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Conclusion

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Minor Permit Revision No. MPR 029-17649-03326.

Appendix A: Emissions Calculations
Aggregate Dryer (< 100 mmBtu/hr)
#2 Fuel Oil

Page 1 of 4 TSD APP A

Company Name: Dave O'Mara Contractor, Inc.
Address, City IN Zip: Currently Located at 10585 Morgan's Branch Road, Aurora, Indiana 47001
Permit Revision: 029-17649
Plt ID: 029-03326
Reviewer: Michael S. Schaffer
Date: April 22, 2003

Heat Input Capacity MMBtu/hr	Potential Throughput kgals/year	Limited Throughput kgals/year	S = Weight % Sulfur
82.7	5174.6571	2633.81	0.5

Emission Factor in lb/kgal	Pollutant					PM10
	PM*	SO2	NOx	VOC	CO	
	2.0	71 (142.0S)	20.0	0.34	5.0	3.3
Potential Emission in tons/yr	5.17	184	51.7	0.880	12.9	8.54
Limited Potential Emission in tons/yr	2.63	93.5	26.3	0.448	6.58	4.35

Methodology

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.140 MM Btu

Limited Throughput (kgals/year) = 2633.81 = Emission Factor (lb/kgal)/ SO2 Limited Emission (tons/yr) x 2000 (lbs/ton)

Emission Factors are from AP 42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-02) Supplement E 9/98 (see erata file)

*PM emission factor is filterable PM only. Condensible PM emission factor is 1.3 lb/kgal.

Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton

See page 2 for HAPs emission calculations.

Appendix A: Emissions Calculations
Aggregate Dryer (< 100 mmBtu/hr)
#2 Fuel Oil
HAPs Emissions

Page 2 of 4 TSD APP A

Company Name: Dave O'Mara Contractor, Inc.
Address, City IN Zip: Currently Located at 10585 Morgan's Branch Road, Aurora, Indiana 47001
Permit Revision: 029-17649
Plt ID: 029-03326
Reviewer: Michael S. Schaffer
Date: April 22, 2003

HAPs - Metals

Emission Factor in lb/mmBtu	Arsenic 4.0E-06	Beryllium 3.0E-06	Cadmium 3.0E-06	Chromium 3.0E-06	Lead 9.0E-06	
Potential Emission in tons/yr	0.001	0.001	0.001	0.001	0.003	

HAPs - Metals (continued)

Emission Factor in lb/mmBtu	Mercury 3.0E-06	Manganese 6.0E-06	Nickel 3.0E-06	Selenium 1.5E-05	Total HAPs	
Potential Emission in tons/yr	0.001	0.002	0.001	0.005	0.018	

Methodology

No data was available in AP-42 for organic HAPs.

Potential Emissions (tons/year) = Throughput (mmBtu/hr)*Emission Factor (lb/mmBtu)*8,760 hrs/yr / 2,000 lb/ton

Appendix A: Emissions Calculations
Aggregate Dryer (< 100 mmBtu/hr)
#4 Used Oil

Page 3 of 4 TSD APP A

Company Name: Dave O'Mara Contractor, Inc.
Address, City IN Zip: Currently Located at 10585 Morgan's Branch Road, Aurora, Indiana 47001
Permit Revision: 029-17649
Plt ID: 029-03326
Reviewer: Michael S. Schaffer
Date: April 22, 2003

Heat Input Capacity MMBtu/hr	Potential Throughput kgals/year	Minor Revision Level Limited Throughput kgals/year	S = Weight % Sulfur 0.41
82.7	5249.65217	825	

Emission Factor in lb/kgal	Pollutant				
	PM or PM10*	SO2	NOx	VOC	CO
	2.8	60.6 (147.8S)	11.0	1.00	1.7
Potential Emission in tons/yr	7.35	159	28.9	2.62	4.46
Limited Potential Emission in tons/yr	1.16	25.0	4.54	0.413	0.701

Methodology

1 gallon of No. 4 Used Oil has a heating value of 138,000 Btu
Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.138 MM Btu
147.8S emission was based on 825,000 gallons of No. 4 used oil as determined by Manufacturer's Specification
Lbs of SO2 per gallon = 0.0041 Sulfur Content * Density of No.4 used oil (7.387 lbs / gallon)* (2 lbs of SO2/ lbs of Sulfur) = 0.0606
0.0606 lbs of SO2/ gallon of No. 4 used oil x Limited Throughput / 2000 = 25.00 tons of SO2 per year (Minor Revision Threshold)
AP-42 Emission Factors For Waste Oil used in a Vaporized Burner were used for remaining criteria pollutants because they are unknown
*PM or PM10 Emission Factor is based on a 1% Ash content
Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton
See page 4 for HAPs emission calculations.

Appendix A: Emissions Calculations**Aggregate Dryer (<100 mmBtu/hr)****#4 Used Oil****HAPs Emissions**

Company Name: Dave O'Mara Contractor, Inc.
Address, City IN Zip: Currently Located at 10585 Morgan's Branch Road, Aurora, Indiana 47001
Permit Revision: 029-17649
Plt ID: 029-03326
Reviewer: Michael S. Schaffer
Date: April 22, 2003

HAPs - Metals

Emission Factor in lb/kgal	Arsenic 4.1E-06	Cadmium 1.7E-06	Chromium 8.3E-06	Lead 8.3E-05	Total HAPs
Potential Emission in tons/yr	0.00001	0.000004	0.00002	0.0002	0.0003

Methodology

Emission Factor For HAPs based on Manufacturer's Specifications For No. 4 used oil in mg/L multiplied by 8.345 E-7 lbs/kgal

No data was available in AP-42 for organic HAPs.

Potential Emissions (tons/year) = Throughput (kgal/yr)*Emission Factor (lb/kgal) / 2,000 lb/ton